

CLAIMS

What is claimed is:

1. A housing assembly of a computer mouse, comprising:

a base;

a housing adapted to be coupled to the base from the bottom of the housing so as to form a space in-between for receiving electronic components required for the computer mouse, the housing being formed with a battery compartment for receiving at least one battery as a power source to the computer mouse and a locking portion; and

a cover formed with at least a front piece, an actuating piece, and a rear piece which are coupled atop to the housing respectively, wherein the rear piece is formed with a locking member for being locked with the locking portion of the housing and wherein the actuating piece is provided with an actuating member such that when the actuating piece is downwardly pushed by an external force, the actuating member is capable of releasing the locking state between the locking portion of the housing and the locking member of the rear piece, and the rear piece is detached from the housing to expose the battery compartment for replacement of the battery.

2. The housing assembly of claim 1, wherein the locking portion of the housing is formed with a locking hole, a coupling hole, and a downward protrusion associated with the coupling hole.

3. The housing assembly of claim 2, wherein the actuating member of the actuating piece is inserted into the locking hole of the locking portion of the housing for connecting the actuating piece with the housing.

4. The housing assembly of claim 3, wherein the locking member of the rear piece is coupled to the coupling hole of the locking portion of the housing and formed at an end thereof with an extending portion that is adapted to be engaged with the

downward protrusion of the housing to lock the locking portion of the housing with the locking member of the rear piece.

5. The housing assembly of claim 4, wherein the extending portion of the locking member, coupled to the coupling hole of the housing, is formed with a groove at an end thereof corresponding in position to the actuating member of the actuating piece inserted into the locking hole of the housing.
6. The housing assembly of claim 5, wherein when the actuating piece is downwardly pushed by the external force, the actuating member of the actuating piece is moved downwardly through the locking hole to press on the groove of the locking member of the rear piece, so as to deform the extending portion of the locking member and release the engagement between the extending portion and the downward protrusion of the housing, thereby making the locking member of the rear piece detached from the locking portion of the housing.
7. The housing assembly of claim 1, wherein the housing further comprises a protruded portion connected with the locking portion, the protruded portion covering the space where the electronic components are received to prevent the electronic components from being exposed.
8. The housing assembly of claim 1, wherein the front piece has at least one hole that is coupled to at least one coupling pillar formed on the housing to thereby connect the front piece with the housing.
9. The housing assembly of claim 1, wherein the actuating piece further comprises at least one pillar that is coupled to at least one hole formed in the locking portion of the housing for attaching the actuating piece to the housing.